

Network Failure Detection Function

Function description

In AddPac VoIP gateway, the Network Failure Detection Function can be used to determine whether VoIP service via Internet is available or not. Usually, Internet service failure is occurred due to transmission line problem or network equipment (router, switch) failures. However, due to LAN characteristic, it is difficult to check the Internet service failure by only adjacent Node's LAN link status because end-to-end Internet service is made by many switching and router systems (hop).

The following explains the Network Failure Detection algorithm. When AddPac VoIP Gateway send the ICMP Echo Request (Ping) to the pre-assigned server periodically, if the pre-assigned target server do not reply to the request for a while, it estimates to occur the network fail, will transfer VoIP call to PSTN call.

After being transferred to PSTN, AddPac VoIP Gateway sends the ICMP Echo Request (Ping) to the pre-assigned server periodically. And when the status of network is recovered, VoIP Gateway will transfer a call via PSTN to VoIP call automatically.

This function is available in the VoIP gateway supporting PSTN backup. For using this function, it is necessary to configure the host IP address (for sending ICMP Echo Request), packet transmission interval, PSTN call transfer timing in case of no response.